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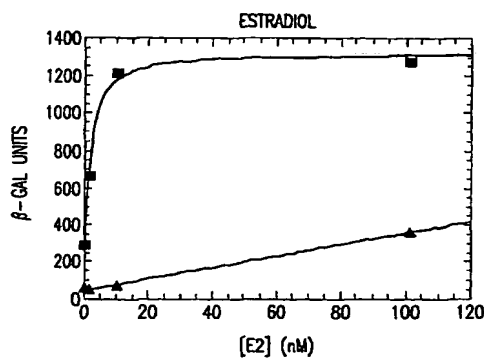
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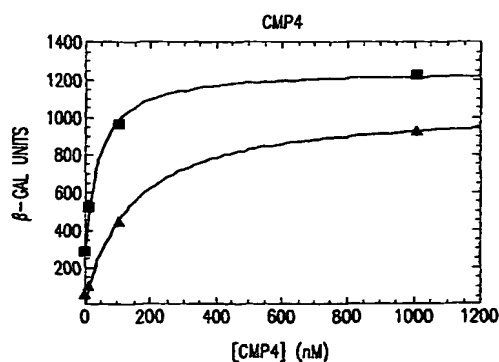
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(54) Title: **ORTHOGONAL GENE SWITCHES**



A

(57) Abstract: The present invention relates to an orthogonal gene switch for regulating the expression of a desired gene. The gene switch comprises a chimeric transcription factor that does not respond to endogenous ligands, and a ligand that is capable of activating the chimeric transcription factor but not endogenous transcription factors. The present invention also relates to the method of constructing the orthogonal gene switch.



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